

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electro-optical apparatus, comprising:

an electro-optical device having an image display region on which projected light from a light source is incident; and

a mounting case in which the electro-optical device is encased including a plate disposed to face one surface of the electro-optical device and a cover to accommodate and cover the electro-optical device, the cover having a portion abutting on the plate, the mounting case accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the cover,

~~the cover including~~including:

~~_____ a cover main body to accommodate the electro-optical device and a cooling air introducing portion provided to extend from or along the cover main body; and~~

~~_____ the cooling air introducing portion having a cooling air scattering prevention portion to allow the cooling air, which is blown to the electro-optical device encased in the mounting case, to flow toward the cover main body.~~

~~_____ a main surface with an opening that exposes the image display region of the~~
electro-optical device.

~~_____ a side surface that intersects the main surface.~~

~~_____ a first baffle that directs flow of cooling air toward the opening in the main~~
surface, and

a second baffle that directs flow of cooling air to the side surface.

2. (Original) The electro-optical apparatus according to claim 1,
the cooling air scattering prevention portion further comprising:
a baffle plate.
3. (Currently Amended) The electro-optical apparatus according to claim 1,
the cooling air introducing portion includes a slope portion having a pointed
shape whose tip faces a direction ~~of~~against the flow of the cooling air, and
the cooling air scattering prevention portion includes the slope portion.
4. (Currently Amended) The electro-optical apparatus according to claim 3,
~~the~~a baffle plate being provided so as to surround a surface constituting the
slope portion.
5. (Original) The electro-optical apparatus according to claim 3,
the cover main body having a window to expose the image display region to
the outside, and
a surface of the image display region of the electro-optical device exposed
through the window being continuous with the surface constituting the slope portion.
6. (Currently Amended) ~~The~~An electro-optical apparatus ~~according to claim 5,~~
comprising:
an electro-optical device having an image display region on which projected
light from a light source is incident; and
a mounting case in which the electro-optical device is encased including a
plate disposed to face one surface of the electro-optical device and a cover to cover the
electro-optical device, the cover having a portion abutting on the plate, the mounting case

accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the cover,

the cover including a cover main body to accommodate the electro-optical device and a cooling air introducing portion provided to extend from or along the cover main body,

the cooling air introducing portion having a cooling air scattering prevention portion to allow the cooling air, which is blown to the electro-optical device encased in the mounting case, to flow toward the cover main body,

the cooling air introducing portion includes a slope portion having a pointed shape whose tip faces a direction against the flow of the cooling air,

the cooling air scattering prevention portion includes the slope portion,

the cover main body having a window to expose the image display region to the outside,

a surface of the image display region of the electro-optical device exposed through the window being continuous with the surface constituting the slope portion, and

the edge of the window having a tapered shape.

7. (Original) The electro-optical apparatus according to claim 1,

the cover further having a cooling air discharging portion to discharge the cooling air which is blown from the cover main body from the cover, and

the cooling air discharging portion having a first surface-area increasing portion to increase the surface-area thereof.

8. (Currently Amended) The electro-optical apparatus case according to ~~claim~~
~~1-claim 7,~~

the cover having a side wall portion facing the side of the electro-optical
device in the cover main body; and

the side wall portion having a second surface-area increasing portion to
increase the surface-area thereof.

9. (Original) The electro-optical apparatus according to claim 8,
the cooling air introducing portion including a baffle portion to blow the
cooling air to the side wall portion, and

the cooling air scattering prevention portion includes the baffle portion.

10. (Currently Amended) ~~The~~An electro-optical apparatus, comprising:
according to claim 7,

an electro-optical device having an image display region on which projected
light from a light source is incident; and

a mounting case in which the electro-optical device is encased including a
plate disposed to face one surface of the electro-optical device and a cover to cover the
electro-optical device, the cover having a portion abutting on the plate, the mounting case
accommodating the electro-optical device by holding at least a portion of a circumferential
region positioned at the periphery of the image display region of the electro-optical device
with at least one of the plate and the cover.

the cover including a cover main body to accommodate the electro-optical
device and a cooling air introducing portion provided to extend from or along the cover main
body.

the cooling air introducing portion having a cooling air scattering prevention portion to allow the cooling air, which is blown to the electro-optical device encased in the mounting case, to flow toward the cover main body,

the cover further having a cooling air discharging portion to discharge the cooling air which is blown from the cover main body from the cover,

the cooling air discharging portion having a first surface-area increasing portion to increase the surface-area thereof,

the cover having a side wall portion facing the side of the electro-optical device in the cover main body,

the side wall portion having a second surface-area increasing portion to increase the surface-area thereof, and

at least one of the first surface-area increasing portion and the second surface-area increasing portion including fins provided to protrude from the surface of the cover ~~and/or dimples provided to form recesses on the surface of the cover.~~

11. (Original) The electro-optical apparatus according to claim 10,
the fins being provided to follow the flow of the cooling air.
12. (Original) The electro-optical apparatus according to claim 10,
the fins including a first column of fins and a second column of fins which
extend parallel to the first column of fins, and
a gap between the first column of fins and the second column of fins being 1
mm or more.
13. (Original) The electro-optical apparatus according to claim 1,
the cover being made of a material having a high heat conductivity.

14. (Currently Amended) An electro-optical apparatus comprising:

an electro-optical device having an image display region on which projected light from a light source is incident; and

a mounting case in which the electro-optical device is encased including a plate disposed to face one surface of the electro-optical device and a cover to accommodate and cover the electro-optical device, the cover having a portion abutting on the plate, the mounting case accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the ~~cover~~ cover,

the cover including:

~~the cover including a cover main body and a cooling air introducing portion;~~
and

a main surface with an opening that exposes the image display region of the electro-optical device,

a side surface that intersects the main surface,

a first baffle that directs flow of cooling air toward the opening in the main surface, and

a second baffle that directs flow of cooling air to the side surface, and

~~the~~ a cooling air introducing portion having a slope portion having a pointed shape.

15. (Currently Amended) An electro-optical apparatus comprising:

an electro-optical device having an image display region on which projected light from a light source is incident; and

a mounting case in which the electro-optical device is encased including a plate disposed to face one surface of the electro-optical device and a cover to accommodate and cover the electro-optical device, the cover having a portion abutting on the plate, the mounting case accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the cover,

the cover including:

a main surface with an opening that exposes the image display region of the electro-optical device,

a side surface that intersects the main surface,

a first baffle that directs flow of cooling air toward the opening in the main surface, and

a second baffle that directs flow of cooling air to the side surface.

~~the cover including a cooling air introducing portion, and~~

~~the~~ a cooling air introducing portion having a cooling air guiding portion to allow the cooling air, which is blown to the electro-optical device encased in the mounting case, to flow toward the image display region.

16. (Currently Amended) A mounting case, comprising:

a plate disposed to face one surface of an electro-optical device having an image display region on which projection light from a light source is incident; and a cover to cover the electro-optical device, the cover having a portion abutting on the plate; and

the mounting case accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the cover,

the cover including:

a main surface with an opening that exposes the image display region of the electro-optical device,

a side surface that intersects the main surface,

a first baffle that directs flow of cooling air toward the opening in the main surface, and

a second baffle that directs flow of cooling air to the side surface.

~~the cover including a cover main body and a cooling air introducing portion,~~
and

~~the cooling air introducing portion having a cooling air scattering prevention portion to allow the cooling air which is blown to the electro-optical device encased in the mounting case to flow toward the cover main body.~~

17. (Currently Amended) A projection-type display apparatus, comprising:

an electro-optical device encased in a mounting case according to claim 1;

the light source;

an optical system to guide the projected light into the electro-optical device;

a projection optical system to ~~protect~~project the projected light emitted from the electro-optical device; and

a cooling air discharging portion to blow out a cooling air to the electro-optical device encased in the mounting case.

18. (New) An electro-optical apparatus, comprising:

an electro-optical device having an image display region on which projected light from a light source is incident; and

a mounting case in which the electro-optical device is encased including a plate disposed to face one surface of the electro-optical device and a cover to cover the electro-optical device, the cover having a portion abutting on the plate, the mounting case accommodating the electro-optical device by holding at least a portion of a circumferential region positioned at the periphery of the image display region of the electro-optical device with at least one of the plate and the cover,

the cover including a cover main body to accommodate the electro-optical device and a cooling air introducing portion provided to extend from or along the cover main body,

the cooling air introducing portion having a cooling air scattering prevention portion to allow the cooling air, which is blown to the electro-optical device encased in the mounting case, to flow toward the cover main body,

the cover further having a cooling air discharging portion to discharge the cooling air which is blown from the cover main body from the cover,

the cooling air discharging portion having a first surface-area increasing portion to increase the surface-area thereof,

the cover having a side wall portion facing the side of the electro-optical device in the cover main body,

the side wall portion having a second surface-area increasing portion to increase the surface-area thereof, and

at least one of the first surface-area increasing portion and the second surface-area increasing portion including dimples provided to form recesses on the surface of the cover.